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(71) Applicant (for all designated States except US): **THOMSON LICENSING S.A.** [FR/FR]; 46 Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RUMREICH, Mark Francis** [US/US]; 10308 Indian Lake Boulevard South, Indianapolis, IN 46236 (US).

(74) Agents: **TRIPOLI, Joseph, S.** et al.; c/o THOMSON Licensing Inc., Two Independence Way, Suite 200, Princeton, NJ 08540 (US).

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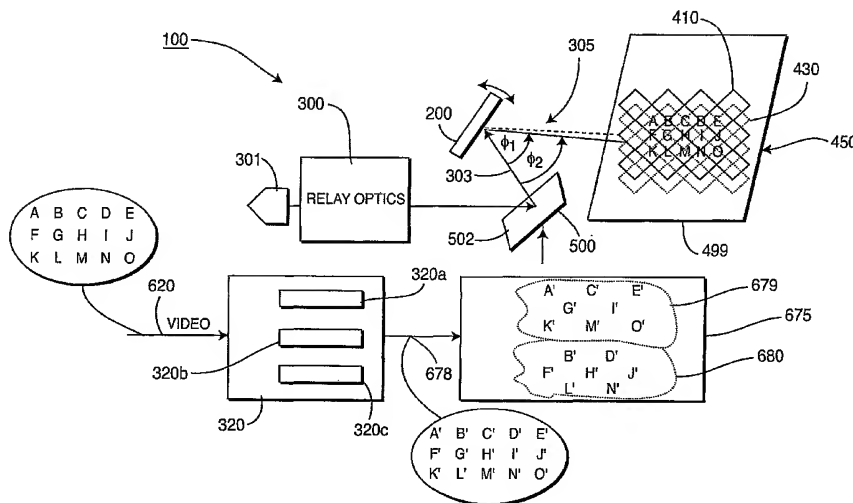
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(54) Title: METHOD AND APPARATUS FOR IMPROVING IMAGES PROVIDED BY SPATIAL LIGHT MODULATED (SLM) DISPLAY SYSTEMS



(57) **Abstract:** The invention provides a method and system for reducing distortion in images provided by display systems(100) employing Spatial Light Modulating (SLM) elements is provided. A method. comprises steps of providing a set (620) of pixel values corresponding to pixels of an image to be displayed. The number of pixel values comprising the set is greater than the number of available SLM elements. At least some of the pixel values are adjusted to provide a set of adjusted pixel values (678). At least a first set of pixels and a second set of pixels are generated from the set of adjusted pixel values. The image is displaying as a matrix of pixels (450) comprising the first set of pixels (410) and the second set of pixels (430). At least one of the pixels of the first set overlaps at least one of the pixels of the second set and the adjusting step is carried out by adjusting pixel values of the pixel data set to compensate for image distortion due to overlapping pixels of the matrix.